

Oil and Gas Producers

Western Region 5500 Ming Avenue, Suite 300 Bakersfield, California 93309 805/398-5100

SEP 23 1983 DIVISION OF OIL & GAS

September 12, 1983

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Mr. Dave Clark
Division of Oil and Gas
4800 Stockdale Highway
Suite 417
Bakersfield, California 93309

Wastewater Disposal Well Premier Area, Poso Ck Fld Kern County, California

Dear Mr. Clark:

Petro-Lewis Corporation plans to drill an injection well to dispose of water produced on the Seskayden-Sesnon, Sesnon O&M, and Newhouse Fee leases located in Poso Creek field, Section 17, T28S, R27E. The proposed Newhouse Fee 1-D location is 1460 and 540 N of center Section 17, T28S, R27E (See Attachment III). Upon completion of the injection well, the number of sumps will be reduced to one for each of the three tank farms.

The water presently produced from the Chanac sands will be injected into the Santa Margarita Formation found at ±2400' subsea depth. Attachment I contains the Santa Margarita reservoir characteristics and reservoir fluid data. Sidewall core samples will be taken from the Santa Margarita to obtain values of porosity, permeability and fluid saturations (oil, water and gas). A fluid sample will also be taken to determine water quality. Included in Attachment I is an analysis of the water presently being produced.

Production in the area is from the Chanac and Etchegoin sands located at ± 2725 ' and ± 2100 ' subsea depths. Two deeper wells, Sesnon 63-17 and Sesnon 163-17, were drilled and abandoned in the area. Attachment II contains wellbore diagrams showing the current condition of these wells. Both wells have bottom and top plugs, and should not cause any environmental damages.

Attachment III is a geological study including a contour map drawn on the Santa Margarita, a geologic cross section and a representative type log. An isopachous map is not available at this time, however, the estimated

* Location ing : 2130 E \$ 570 N

gross thickness is ± 500 . An isopachous map of the Chanac is included for reference.

The maximum anticipated daily rate and pressure are 20,000 barrels a day and 1250 psi respectively. The water will be injected using $3\frac{1}{2}$ " tubing. A production packer will be used to confine the water to the Santa Margarita. Periodic injection profiles will be run to ensure the injected water is confined to the intended zone. Attachment IV is a flow diagram showing the proposed injection facilities.

Offset operators have been notified of the intention to drill a wastewater well (see Attachment V).

Very truly yours,

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Greg Golich

Petroleum Engineer

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